Appl. No.

09/727,424

Filed

: December 1, 2000

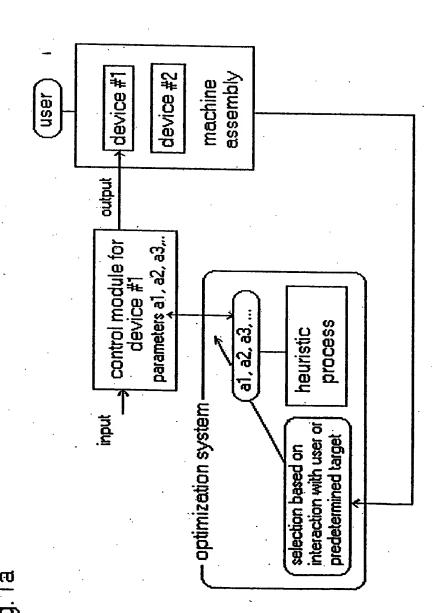
AMENDMENTS TO THE DRAWINGS

As stated below, Applicant has requested to amend Figures 1e, 4, 5, 6, 8, 10, and 14 to correct clerical errors, as shown in the attached copies of the figures labeled "Annotated Sheet Showing Changes" wherein the corrections are indicated with red ink.

REQUEST FOR APPROVAL OF DRAWING CHANGES

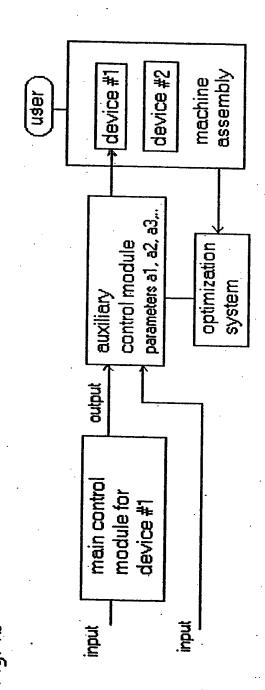
The amendment requested herein is to correct clerical errors of Figures 1e, 4, 5, 6, 8, 10, and 14 as shown with red ink in the attached copies of the figures labeled "Annotated Sheet Showing Changes". That is, Figure 1e has been amended to indicate an arrowhead which was missing. Figures 4, 5, and 6 have been amended to match the numerals and the words indicating the same structures. Figures 8, 10, and 14 have been amended to clarify a selection at step I (page 16, lines 3-5 of the specification, for example). No new matter has been added. Replacement Sheets are enclosed herein. Approval of this amendment is respectfully requested.





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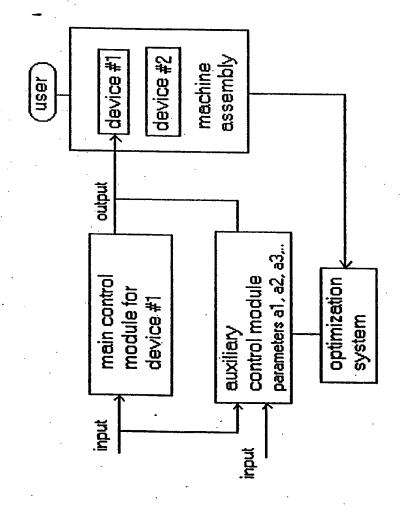
APPARATUS FOR OPTIMIZING CONTROL SYSTEM OF UNIT DEVICE INTEGRATED IN MACHINE ASSEMBLY KAJI, et al.



Sheet Replacement

APPARATOS FOR OPTIMIZING CONTROL SYSTEM OF UNIT DEVICE INTEGRATED IN MACHINE ASSEMBLY KAJI, et al.

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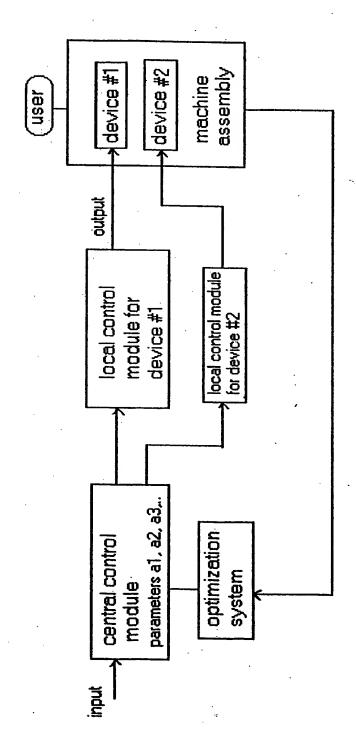
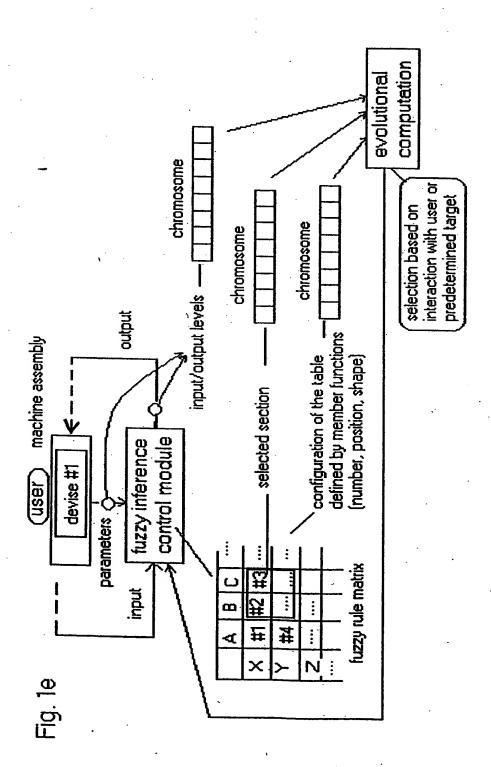


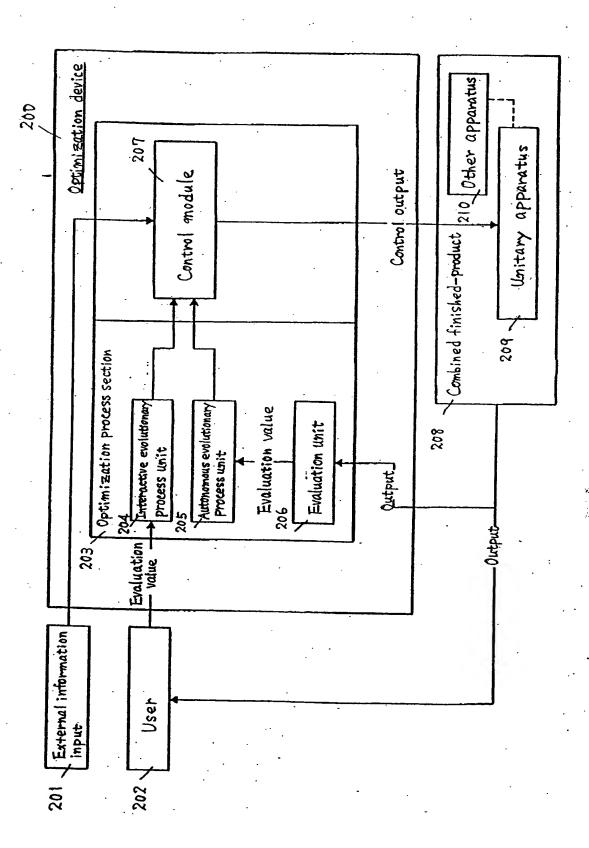
Fig. 1d





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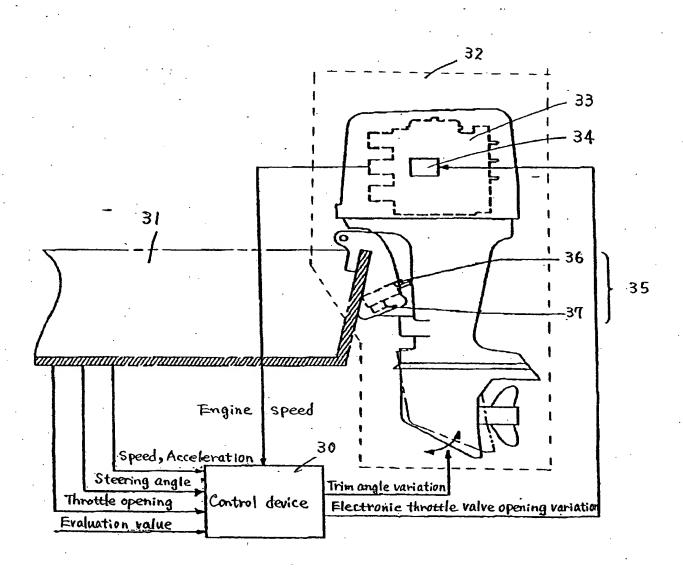


FIG. 3

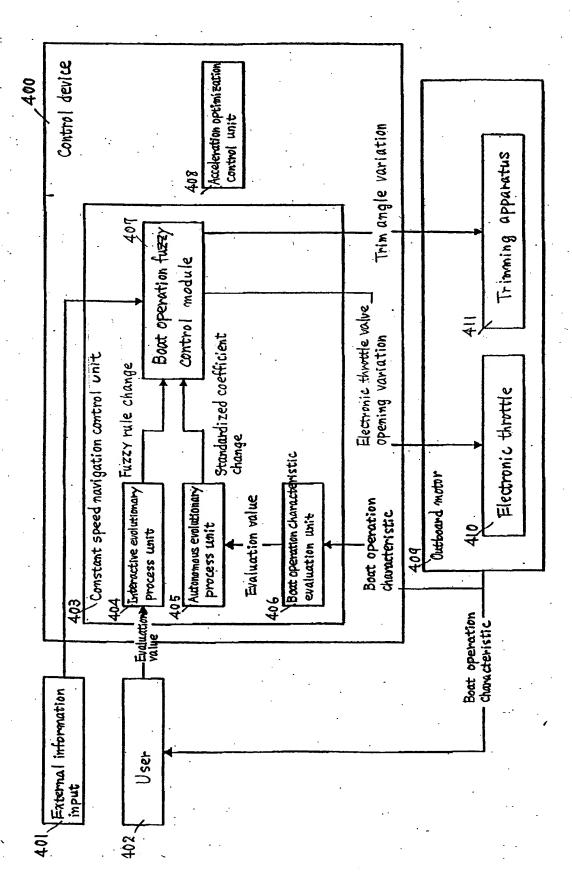
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Replacement Sheet

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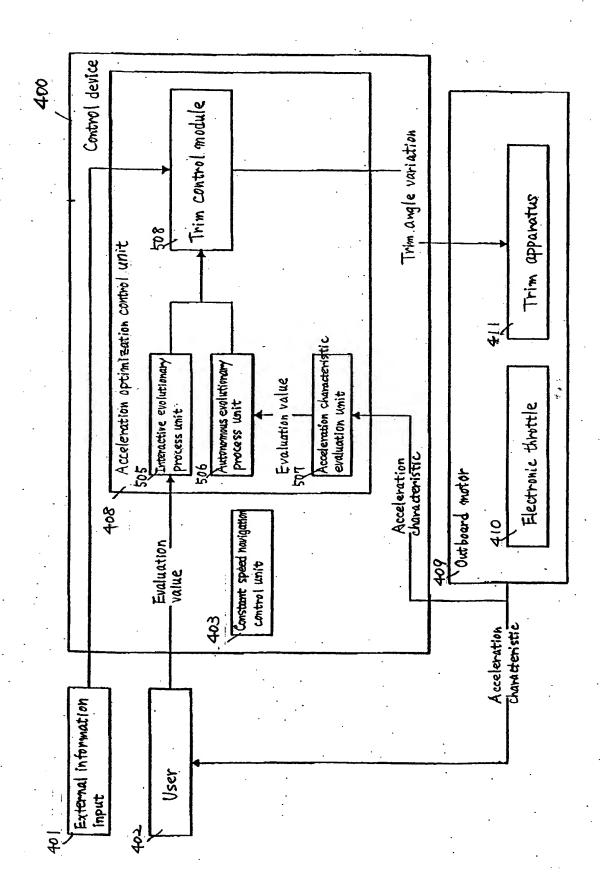


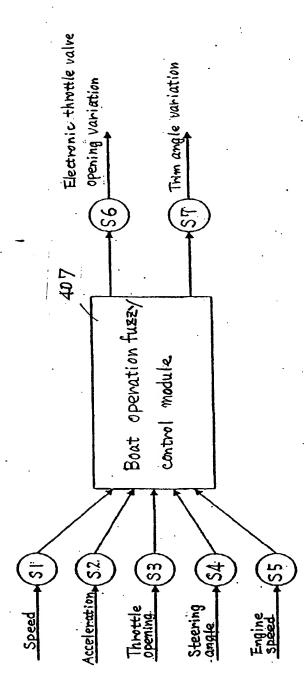
FIG. 5

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Standardized coefficients

Standardized coefficients



SI S2 S3 S4 S5

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FIG. 6

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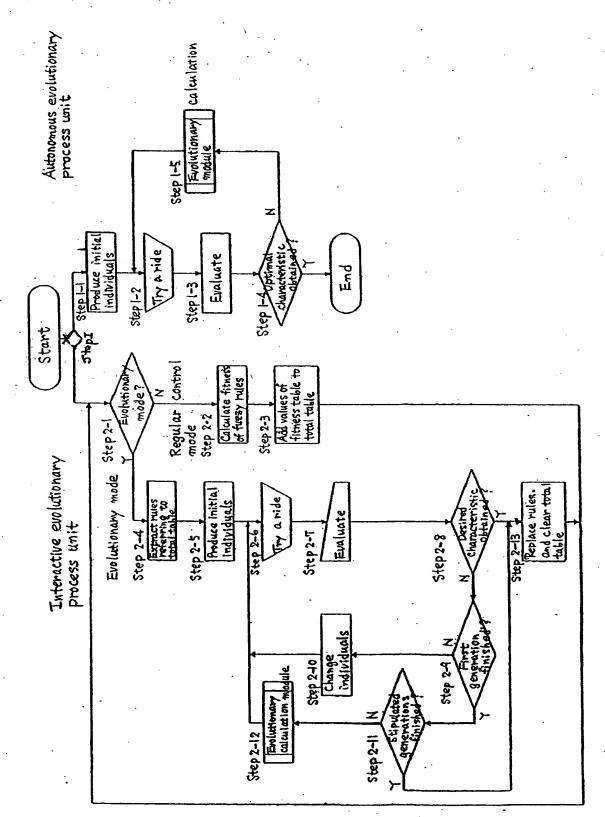
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Fuzzy rule table input: Speed. Accelemtion output: Electronic throttle valve opening variable

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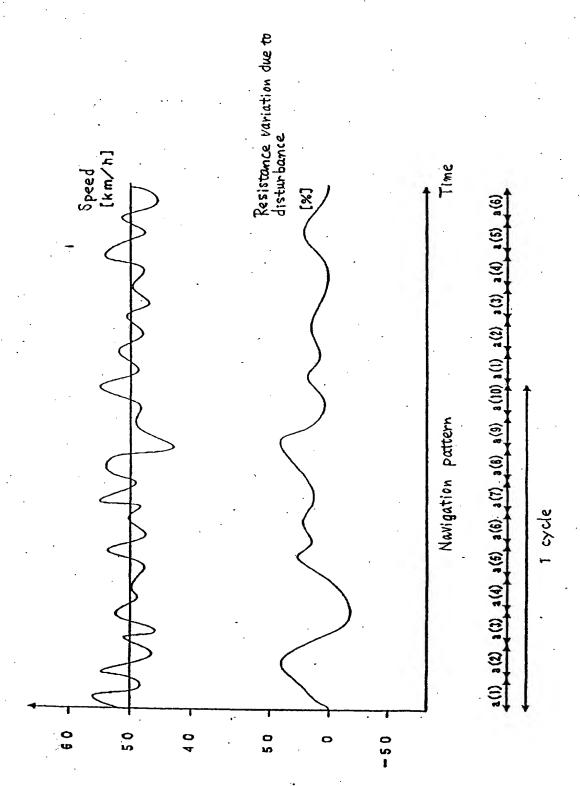
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Process Autonomous Evolutionary Process Evolutionary nteractive

FIG. 10

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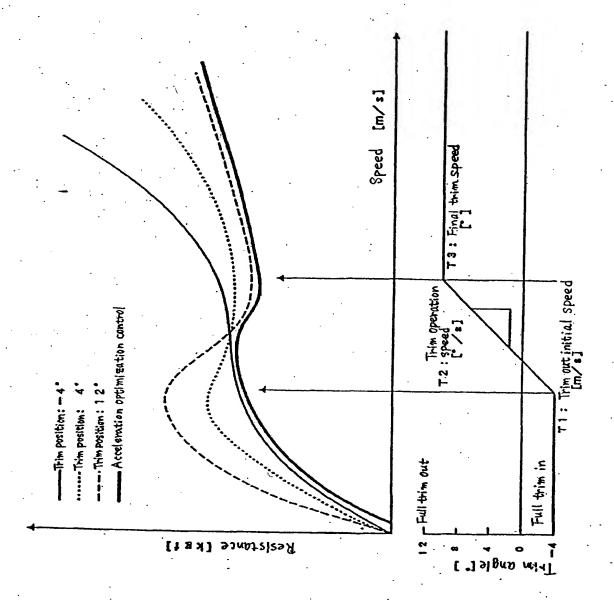
8 6. ∞; 9 FAST 0 2 6. .4 ä

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SLOW N

Appl. No.: 09/727,424





T1 T2 T3

FIG. 13

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PARATUS FOR OPTIMIZING CONTROL SYSTEM OF UNIT DEVICE INTEGRATED IN MACHINE ASSEMBLY

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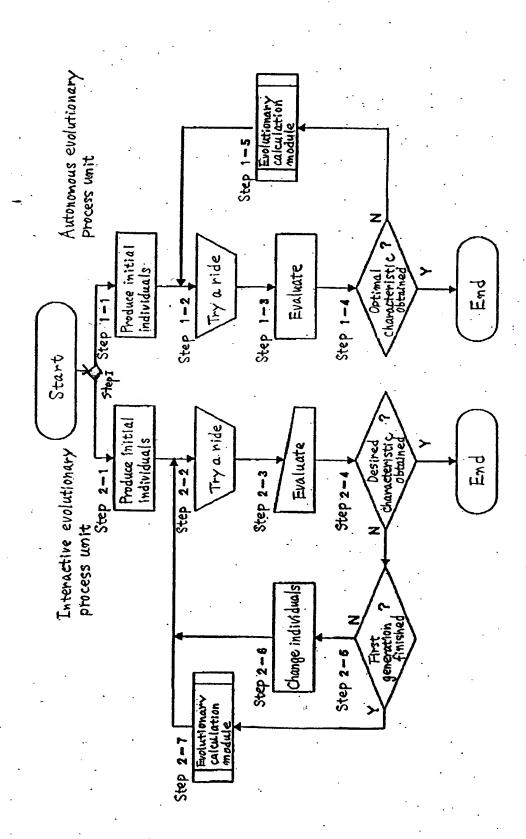


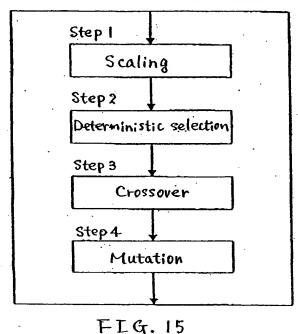
FIG. 14

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Evolutionary computation module (GA)



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Evolutionary computation module (ES)

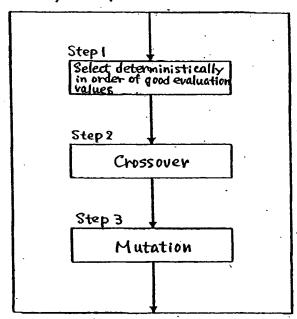


FIG. 16

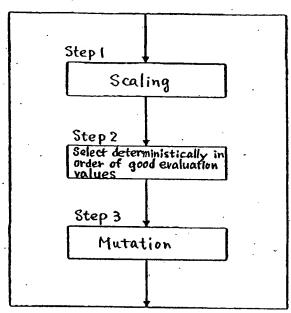
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APPARATUS FOR OPTIMIZING CONTROL SYSTEM OF UNIT DEVICE INTEGRATED IN MACHINE ASSEMBLY KAJI, et al.

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Evolutionary computation module (EP)



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APPARATUS FOR OPTIMIZING CONTROL SYSTEM OF UNIT DEVICE INTEGRATED IN MACHINE ASSEMBLY KAJI, et al.

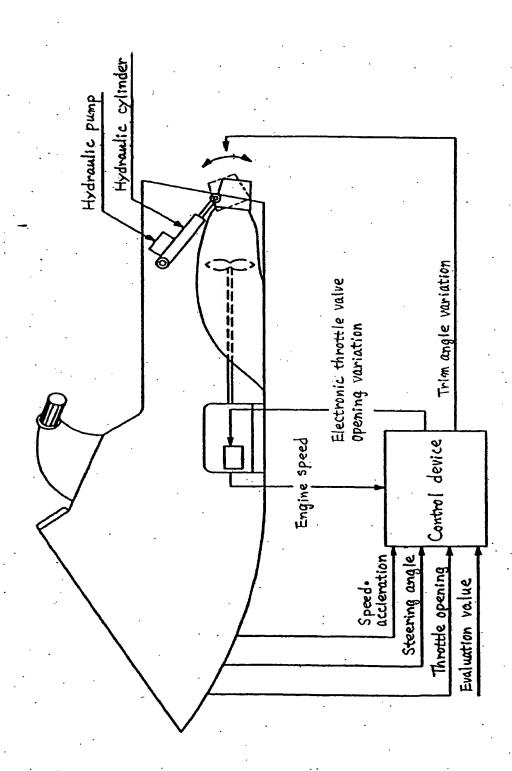


FIG. 18

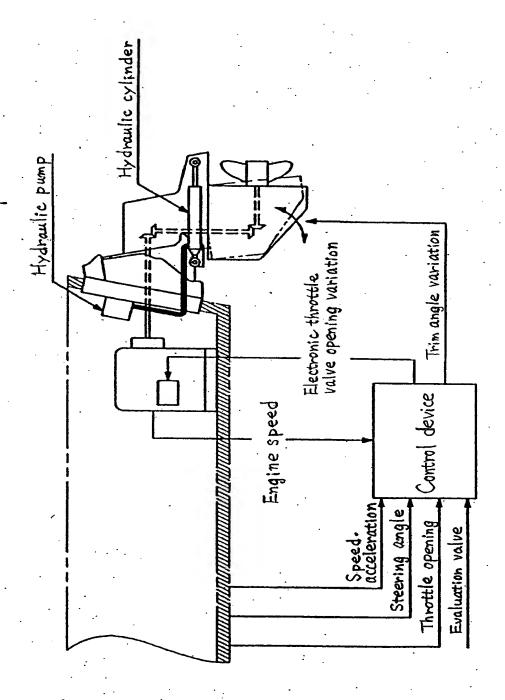
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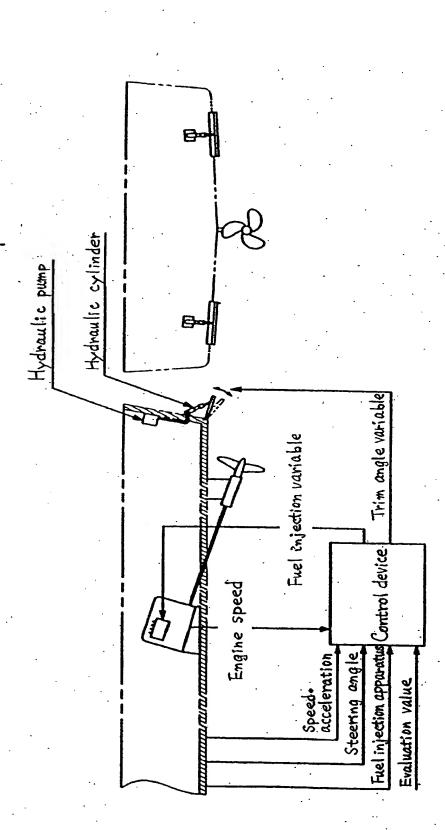
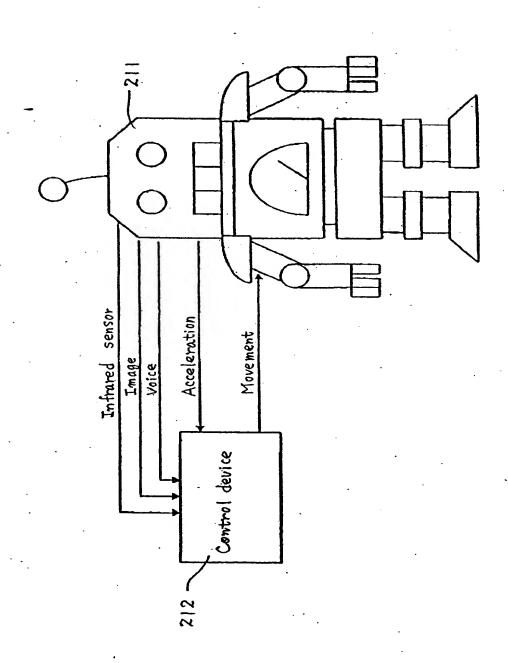
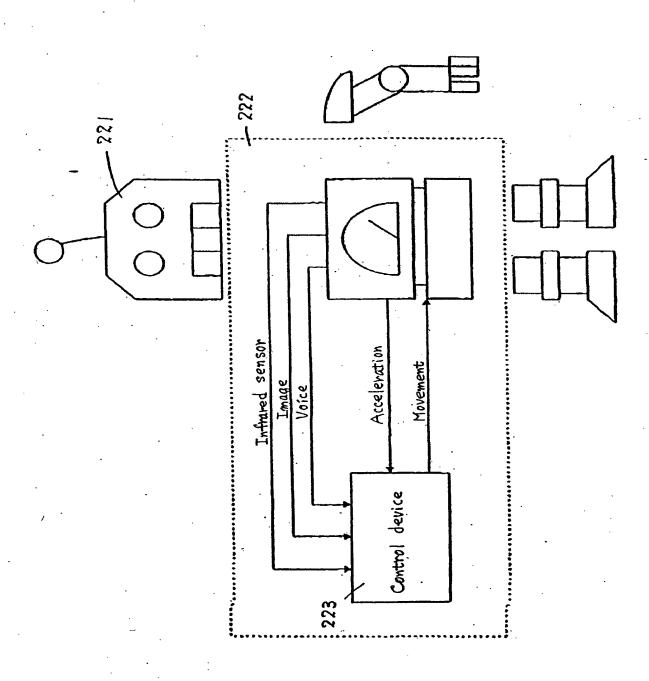


FIG. 20

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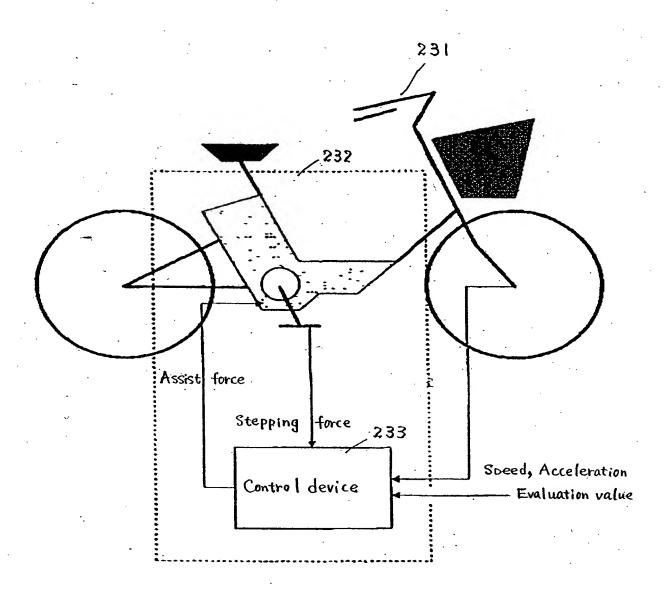


FIG. 23